

**SYNCHRONIZED PRODUCTION WITH DYNAMIC LOGISTICS ROUTING**

Allison Fay Searcy

Ihab Al-Wazani

Jeffrey David Joyce

5 Steven Clay Loring

William Frederick Reeves

Michael R. Rogers

Christopher Waters

Wayne Leroy Zorn

10 **ABSTRACT OF THE DISCLOSURE**

A method for scheduling manufacture of an order in a factory which includes planning a time for manufacturing an order so as to have the manufacture of the order complete during a desired shipping window and determining the desired shipping window so as to allow the order to be shipped via a lower cost shipping method while arriving at a destination. A method manufacturing an order in a factory which includes synchronizing production of the order with a desired routing schedule and determining the desired routing schedule so as to allow the order to be routed via lower cost shipping method while arriving at a destination.

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